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[54] LEAF STRUCTURE WITH A HINGED REPOSITIONAL BINDING[75] **Inventor:** David C. Schwartz, Southboro, Mass.[73] **Assignee:** Productive Environments, Inc., Framingham, Mass.[21] **Appl. No.:** 193,381[22] **Filed:** Feb. 8, 1994**Related U.S. Application Data**

[63] Continuation-in-part of Ser. No. 19,645, Feb. 18, 1993, abandoned, which is a continuation-in-part of Ser. No. 963,907, Oct. 20, 1992, abandoned.

[51] **Int. Cl.⁶** B42F 3/00[52] **U.S. Cl.** 402/79; 281/21.1; 281/38[58] **Field of Search** 402/79, 80 K; 281/2, 15.1, 21.1, 38, 41, 42**[56] References Cited****U.S. PATENT DOCUMENTS**

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Primary Examiner—Willmon Fridie, Jr.**[57] ABSTRACT**

This invention relates to leaf structures where the leaf structure is used for the capture, representation, organization, access, presentation, communication, and delivery of information, and to such leafs further comprising a leaf body portion serving as a media strip and a leaf binding strip, where the leaf binding strip offers a novel binding structure capable of providing alternative ways of being attached to other objects, where said binding structure provides a hinged

binding with repositionable adhesive as a part thereof allowing for the pivotal and semi-permanent attachment of the leaf structure to other objects, where said semi-permanent attachment allows said leaf structure to be directly attached and subsequently reattached by way of the self possessed repositionable adhesive, to a host, particularly a host book, its bindings, its surfaces, and or its covers, where said semi-permanent repositionable adhesive means may be deactivated, by pivotally folding said binding strip into a position coincident with the leaf body, thereby allowing for the separate manipulation of the leaf free of any adhesive constraints, as any leaf might be handled, bound, shuffled, or otherwise attached to another structural binding, such as a ring binding, clip, or the like. These leafs and their bindings relate therefore to the non-sequential (non-linear) binding of leafs a host binding, first by permitting attachment by physical repositioning through use of their self possessed repositionable adhesive to a host surface, while being able to be turned as a page of their host binding whether, sewn, stitched, ring or the like, by way of their unique hinged attachment means, and second, with repositionable adhesive deactivated, through loose binding such as "shuffling" or by attachment to a structure such as a ring, a clip, or the like. The adhesive binding offers various ways of providing activation and deactivation, and in combination with a host leaf, various ways of being attached to multiple bindings. The invention provides for the binding of the hinged leaves one to another, therefore offering a new kind of book binding where the binding of the leaves forms a mini-book with a spine comprising hinged binding strips, one adhesive strip hingedly attached to the other, thereby allowing for the turning of each leaf as a page and for the selective separation and non-linear reconstruction of the book of leaves without need for another form of binding structure to keep the leaves together.

42 Claims, 33 Drawing Sheets